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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Judith Fitzpatrick, Regina B. Lenda, and Christopher L. Jones

Serial No.: 09/526,582

Art Unit: Not Yet Assigned

Filed: March 16, 2000

Examiner: Not Yet Assigned

For: *METHOD AND DEVICE FOR DETECTION OF APO A, APO B AND THE
RATIO THEREOF IN SALIVA*Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit an Information Disclosure Statement, including ten (10) pages of Form PTO-1449 and a copy of each document cited therein.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 01-2507.

U.S. Patents

<u>Number</u>	<u>Issue Date</u>	<u>Patentee</u>	<u>Class/Subclass</u>
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Foreign Patent Documents

<u>Number</u>	<u>Publication Date</u>	<u>Patentee</u>	<u>Country</u>
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U.S.S.N.: 09/526,582
Filed: March 16, 2000
INFORMATION DISCLOSURE STATEMENT

Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,

Patrea L. Pabst
Reg. No. 31,284

Dated: June 26, 2000

ARNALL GOLDEN & GREGORY, LLP
2800 One Atlantic Center
1201 W. Peachtree Street
Atlanta, Georgia 30309-3450
(404) 873-8794
(404) 873-8795 (fax)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/526,582
		Filing Date	March 16, 2000
		First Named Inventor	Judith Fitzpatrick
		Group Art Unit	
		Examiner Name	
Sheet 1 of 10	Attorney Docket Number	SRX 110	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,451,504		Fitzpatrick, et al.	09-19-1995	
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		Office. ⁴	Number ²	Kind Code ⁵ (if known)				
		WO	93/18067		Abbott Laboratories	09-16-1993		
		WO	96/00903		Oklahoma Medical Research Foundation	01-11-1996		
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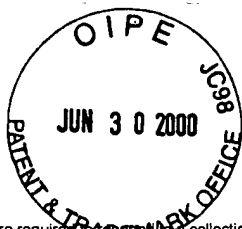
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		Application Number	09/526,582
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		First Named Inventor	Judith Fitzpatrick
		Group Art Unit	
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Sheet 2 of 10	Attorney Docket Number	SRX 110	

OTHER ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		"Report of the Expert Panel on Blood Cholesterol Levels in Children and Adolescents," <i>Pediatrics</i> 89:525-584 (1992).	
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	✓	ALAPOVIC, et al., "Isolation and characterization of an apoA-II-containing lipoprotein (LP-A-II:B complex) from plasma very low density lipoproteins of patients with Tangier disease and type V hyperlipoproteinemia," <i>J. Lipid Res.</i> 32(1):9-19 (1991).	
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		ASSMANN, et al., "The Hypertriglyceridemias: Risk and Management," <i>Am. J. Cardiol.</i> 68(3):1A-4A (1991).	

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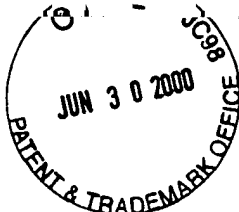
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Sheet	3	of	10	Attorney Docket Number	SRX 110

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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		ATMEH, et al., "Subpopulations of Apolipoprotein A-I in Human High-Density Lipoproteins, Their Metabolic Properties and Response to Drug Therapy," <i>Biochim. Biophys. Acta.</i> 751:175-188 (1983).	
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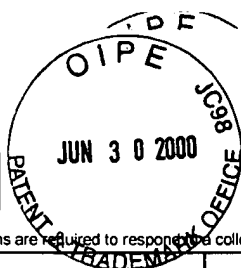
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		Application Number	09/526,582
		Filing Date	March 16, 2000
		First Named Inventor	Judith Fitzpatrick
		Group Art Unit	
		Examiner Name	
Sheet 4 of 10	Attorney Docket Number	SRX 110	

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		CURRY, et al., "Quantitative Determination of Human Apolipoprotein C-III by Electroimmunoassay," <i>Biochim. Biophys. Acta.</i> 617:503-513 (1980).	
		CWIRLA, et al., "Peptides on phage: A vast library of peptides for identifying ligands," <i>Proc. Natl. Acad. Sci. USA</i> 87:6378-6382 (1990).	
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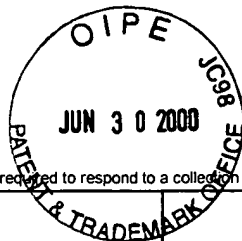
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		GOHLKE, "Influence of the LDS-/HDL-Cholesterol Ratio on Progression and Regression of Atherosclerotic Lesions. A Review of Controlled Angiographic Intervention Trials," <i>Wien Klin. Wochenschr.</i> 104(11):309-313 (1992).	
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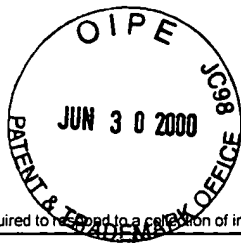
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		KWITEROVICH, et al., "Comparison of the Plasma Levels of Apolipoprotein B and A-1, and Other Risk Factors in Men and Women with Premature Coronary Artery Disease," <i>Am. J. Cardiol.</i> 69:1015-1021 (1992).	
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		LOCHNER, "Gas chromatographic - Mass spectrometric analysis of volatile constituents in saliva (profiles)," <i>Dissertation Abstract International</i> Vol. 46, #5B (1985).	
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		LOWMAN, et al., "Selecting High-Affinity Binding Proteins by Monovalent Phage Display," <i>Biochemistry</i> 30:10832-10838 (1991).	
		MACIEJKO, et al., "Apolipoprotein A-I as a Marker of Angiographically Assessed Coronary-Artery Disease," <i>N. Engl. J. Med.</i> 309(7):385-389 (1983).	
		MANDEL & EISENSTEIN, "Lipids in human salivary secretions and salivary calculus," <i>Arch. Oral Biol.</i> 14(2):231-3 (1969).	

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		MARCEL, et al., "Expression of human apolipoprotein A-I epitopes in high density lipoproteins and in serum," <i>J. Lipid Res.</i> 28(7):768-77 (1987).	
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		OLOFSSON, et al., "Isolation and Partial Characterization of a Polypeptide Belonging to Apolipoprotein B from Low-Density Lipoproteins of Human Plasma," <i>Biochemistry</i> 19:1059-1064 (1980).	
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		OSBORNE & BREWER, "The plasma lipoproteins," <i>Adv. Protein Chem.</i> 31:253-337 (1977).	

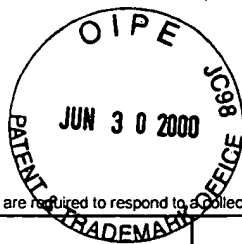
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		PARHAM, "Handbook of Experimental Immunology, Vol. 1: Immunochemistry," (Weir, D.M., Editor), Blackwell Scientific Publications: Oxford, 1986.	
		PARMEY, et al., "Filamentous Fusion Phage Cloning Vectors for the Study of Epitopes and Design of Vaccines," <i>Adv. Exp. Med. Biol.</i> 251:215-218 (1989).	
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		RABINOWITZ & SHANNON, "Lipid changes in human male parotid saliva by stimulation," <i>Arch. Oral Biol.</i> 20(7):403-6 (1975).	
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		SLOMIANY, et al., "Association of lipids with proteins and glycoproteins in human saliva," <i>J. Dent. Res.</i> 62(1):24-7 (1983).	
		SLOMIANY, et al., "Lipid composition of human parotid and submandibular saliva from caries-resistant and caries-susceptible adults," <i>Arch. Oral Biol.</i> 27(10):803-8 (1982).	
		SMITH, et al., "The plasma lipoproteins: structure and metabolism," <i>Annu. Rev. Biochem.</i> 47:751-7 (1978).	
		SNIDERMAN, et al., "Association of Coronary Atherosclerosis with Hyperapobetalipoproteinemia [Increased Protein but Normal Cholesterol Levels in Human Plasma Low Density (β) Lipoproteins], <i>Proc. Natl. Acad. Sci. USA</i> 77(1):604-608 (1980).	

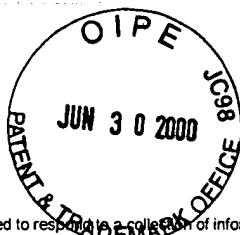
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		PARMLEY, et al., "Filamentous Fusion Phage Cloning Vectors for the Study of Epitopes and Design of Vaccines," <i>Adv. Exp. Med. Biol.</i> 251:215-218 (1989).	
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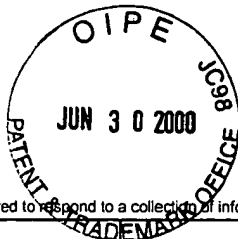
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		SOCORRO & CAMEJO, "Preparation and Properties of Soluble, Immunoreactive ApoLDL," <i>J. Lipid Res.</i> 20:631-638 (1979).	
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		WOOD, "Heterogeneous fluoroimmunoassay" In <i>Principles and Practice of Immunoassay</i> , pp. 365-392, Stockton Press:New York, 1991.	

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